

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/06 H04L12/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/49343 A (LEANING ANTHONY RICHARD ; WHITING RICHARD JAMES (GB); BRITISH TELECOMM) 20 June 2002 (2002-06-20) cited in the application abstract page 4, line 22 – page 6, line 4 claims 1-4	1-10
A	US 5 864 870 A (GUCK RANDAL LEE) 26 January 1999 (1999-01-26) abstract column 3, line 24 – line 55 claim 1	1-10
A	US 6 397 251 B1 (GRAF MARCEL) 28 May 2002 (2002-05-28) abstract; figure 5 column 1, line 19 – line 36	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the International search

28 September 2004

Date of mailing of the International search report

05/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hilbig, S

Information on patent family members

International Application No
IB2004/002141

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 0249343	A	20-06-2002	AU 2092702 A AU 2382902 A CA 2429827 A1 CN 1481643 T EP 1342363 A1 WO 0249342 A1 WO 0249343 A1 JP 2004516717 T US 2004064573 A1		24-06-2002 24-06-2002 20-06-2002 10-03-2004 10-09-2003 20-06-2002 20-06-2002 03-06-2004 01-04-2004
US 5864870	A	26-01-1999	NONE		
US 6397251	B1	28-05-2002	NONE		